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ABSTRACT

The Student Booklet is a companion document to "The Career Data Book: Results from Project TALENT'S Five-year Followup Study" (CE 000 755). The booklet's purpose is to enable the high school student to compare his abilities, achievements, interests, and background with those of other young people who went into various occupations so he may be guided in his career choice. By plotting his percentile rankings from interest inventories, vocabulary and ability tests, and other variables on a profile, the student is referred to any of twelve career groups: engineering, physical science, math, and architecture; medical and biological sciences; business administration; general teaching and social services; humanities, law, social and behavioral sciences; fine arts, performing arts; technical jobs; proprietors, sales; mechanics, industrial trades; construction trades; secretarial-clerical, office workers; and general labor, community, and public service. From that point, he is referred to occupations within the groups. The inferences drawn are based on data from inventories and tests given to high school students in 1960, with career choice data updated in a five-year followup study as part of Project TALENT. (AG)

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STUDENT'S BOOKLET

To Accompany The Career Data Book

Results from Project TALENT's Five-Year Follow-Up Study

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ED 085581

This booklet is to help you compare your own abilities, achievements, interests, and background with those of other young people who went into various occupations.

Ask your counselor for help in getting your percentile rankings. Then enter them on the following page (Page 2).

Your percentile rating on something tells what percent of Americans of your grade and sex are not as good at it as you are, or have less of it than you do. For example, if you are at the 30th percentile in reading comprehension, then 30% of Americans of your grade and sex are not as good at it as you are, and 70% of them are better. If your interest in office work is at the 5th percentile, then office work bores you, because 95% of the people of your age and sex like it better than you do. On the other hand if your percentile rank for interest in office work is 87, then you are more interested in it that 87% of Americans of your grade and sex.

We have chosen the jobs that the most people go into and sorted them into twelve career groups. All the jobs within any one career group are somewhat similar. They take about the same amount of education and similar patterns of abilities, achievements, interests, etc.

You can compare yourself with the people in each of the twelve career groups to find which career group fits you best. To do this, turn to page 4. The numbers on the graph are the numbers of the twelve career groups listed on page 3. They are placed at the average percentile rating of the people in that career group. Put your own percentile rankings on the profile. If you use a red pencil, they will be easier to see. For example, if your percentile ranking for the first of the Interest entries on the profile, Interest in physical science, engineering, and math, is 70, you will put a red cross on the first line of the graph just under the number 70. Do this for all your percentile rankings. Then look to see which of the numbers that represent the career groups is most often next to the red crosses that represent your percentile ranking. For example, if the number 7 often appears near your red crosses, this would be a good career group to start looking for an occupation in.

Now look at page 3 of the book. Career Group 7 is "Technical Positions." Fourteen occupations are listed under it. Each one has a letter before it. To find out which of these fourteen occupations has people in it who are most like you, turn to the profile on page 11 (the profile for Career Group 7). The letters on it correspond to the different occupations listed under Career Group 7, "Technical Positions," on page 3. Now enter your own percentile ratings by making red crosses on the page 11 graph. See which of the letters is most often near your red crosses. Suppose it is the letter "C." By consulting page 3 again you find that this is the letter for computer repair serviceman. Ask your counselor to let you read the description and see the detailed profile of this occupation in the large **Career Data Book.**

If you think this is the wrong occupation for you, look at some of the other letters, and see if there is some other occupation in Career Group 7 in which the workers are a good deal like you.

Or if there is an occupation in some other career group that you are particularly interested in, you can turn to the profile for that career group and enter your percentile rankings there, then see how near they are to the letters that represent the job you are interested in. For example, if you think you might like to be a wildlife or conservation specialist, you can enter your rankings on the profile for Career Group 2 on page 6, and see how near they are to the letter "H" which represents the rankings for wildlife and conservation specialists. Then look at the profile and description for that occupation in the **Career Data Book.**

One thing that you need to know to understand the profiles in the **Career Data Book** is what the horizontal line opposite each listing of interest, information, and abilities means. This bar shows the ranking made by 50% of the people going into the occupation or career group. For example, look at the profile for wildlife and conservation specialists in the counselor's **Career Data Book.** This profile shows the rankings of men who became wildlife and conservation specialists. The horizontal line shows the range of rankings made by the middle 50% of the men who, five years after high school, had either become wildlife and conservation specialists or were preparing to do so. Now look at the scale for information in social studies. The horizontal line extends from the 32nd percentile to the 82nd. So 50% of the men had rankings between the 32nd and the 82nd percentiles. 25% were lower in information regarding social studies than the 32nd percentile, and another 25% were higher than the 82nd percentile. The little vertical mark in the middle of the bar shows that the **average** percentile ranking for information in social studies of men becoming wildlife and conservation specialists is 71, but many are lower and many higher.

Sometimes students want very much to enter a certain occupation but find that some of their percentile rankings are low compared with those of other people who entered that occupation. If this is the case with you, talk to your counselor about it. It may be that your low percentile ratings are in areas that aren't really essential to that occupation. Or they may be in fields where hard work and special training will enable you to raise them.

CE 000 777

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STUDENT'S ESTIMATED PERCENTILE RANKS

(with supporting evidence)

Name _____

Grade _____ Age _____ Date of estimates _____

	Estimated Percentile Rank	Data/Evidence/Notes
INTEREST SCALES		
Phys. Sci., Eng., Math.	( )	
Bio. Sci., Medicine	( )	
Public Service	( )	
Literary-Linguistic	( )	
Social Service	( )	
Artistic	( )	
Musical	( )	
Sports	( )	
Hunting & Fishing	( )	
Business Management	( )	
Sales	( )	
Computation	( )	
Office Work	( )	
Mechanical-Technical	( )	
Skilled Trades	( )	
Farming	( )	
Labor	( )	
INFORMATION TEST		
Vocabulary	( )	
Literature	( )	
Music	( )	
Social Studies	( )	
Mathematics	( )	
Physical Science	( )	
Biological Science	( )	
ABILITY TEST		
Total English	( )	
Reading Comprehension	( )	
Creativity	( )	
Mechanical Reasoning	( )	
Visualization in 3D	( )	
Abstract Reasoning	( )	
Arithmetic Reasoning	( )	
Introductory Math	( )	
Arithmetic Computation	( )	
OTHER VARIABLES		
Socioeconomic Status	( )	
H.S. Courses Taken (Aca.)	( )	
H.S. Grades	( )	
Amt. of Extracur. Reading	( )	
Study Habits & Attitudes	( )	

Table 1

LIST OF THE OCCUPATIONS INCLUDED IN EACH OF THE 12 CAREER GROUPS IN THE CAREER DATA BOOK

1. Engineering, Physical Science, Mathematics, and Architecture

Architect (A)
Chemist (B)
Engineer (n.e.c.)* (C)
  Aerospace (D)
  Chemical (E)
  Civil, Hydraulic (F)
  Electrical, Electronic (G)
  Mechanical, Automotive (H)
Geologist (I)
Mathematician, Statistician (J)
  College Mathematics Teacher (K)
  High School Mathematics Teacher (Females) (m)
Physical Scientist (n.e.c.) (N)
Physicist (O)
Science Teachers
  College Science Teacher (P)
  High School Science Teacher (R)

2. Medical and Biological Sciences

Agricultural Specialist (A)
Biologist, Zoologist (B)
Dentist (C)
Nurse (Females) (d)
Pharmacist (E)
Physician (F)
Veterinarian (G)
Wildlife/Conservation Specialist (H)

3. Business Administration

Accountant, Auditor, Comptroller (A)
Advertising Worker (B)
Business Administration and Management (n.e.c.) (C)
Certified Public Accountant (D)
Efficiency Expert, Industrial Engineer, Production Manager (n.e.c.) (E)
Finance Worker (F)
Industry, Business, Commerce (n.e.c.) (G)
Investment Counsultant (H)
Manufacturing Management (I)
Marketing and Wholesale/Retail Trade Manager (J)
Military Officer (K)
Personnel Administrator (L)
Pilot (M)
Purchasing Agent (N)
Retail Buyer (Females) (r)
Stockbroker (S)
Teacher - Commercial Education (Females) (t)

4. General Teaching and Social Service

Clergyman (A)
Guidance
  Counseling (Females) (b)
  Vocational/Educational (Females) (d)
Social Worker (Females) (e)
Teacher (n.e.c.) (Females) (f)
  Elementary (Females) (g)
  High School (Females) (h)
  Preschool (Females) (i)
  Specialists
    Handicapped (Females) (j)
    Home Economics (Females) (k)
    Physical Education (Females) (l)

5. Humanities, Law, Social and Behavioral Sciences

Diplomat (A)
Economist (B)
Journalist, Reporter (C)
Lawyer (D)
Librarian (Females) (e)
Psychologist (F)
Social Scientist (G)
Teacher
  College (n.e.c.) (H)
  English
    College (Females) (i)
    High School (Females) (j)
  Foreign Language
    College (Females) (k)
    High School (Females) (l)
  Social Sciences and Studies
    College (M)
    High School (N)
Writer (Females) (r)

6. Fine Arts, Performing Arts

Artist/Painter, Sculptor, etc. (Females) (a)
Commercial Artist/Advertising, Fashion, Illustrator, etc. (B)
Musician/Instrumentalist (C)
Teacher
  Art (Females) (d)
  Music (Females) (e)
Theater Worker (F)

7. Technical Jobs

Computer
  EAM Operator, Supervisor (A)
  Programmer (B)
  Repair Serviceman (C)
Dental Hygienist (Females) (d)
Draftsman (E)
Electronics
  Technician (F)
  Worker (n.e.c.) (G)
Laboratory Technician
  Biological Science, Dental, Medical (Females) (h)
  Physical Science, Engineering, etc. (I)
Photographer (J)
Physical Therapist (Physiotherapist) (Females) (k)
Specialized Therapist (Miscellaneous) (Females) (m)
Surveyor (N)
Technologist/Medical, Dental (Females) (r)

8. Proprietors, Sales

Clerk/Sales (Females) (a)
Farming/Ranching - Owner (B)
Manager/Sales (C)
Proprietor, Contractor (in business for self) (D)
Salesman
  Auto (E)
  Insurance (F)
  Other (n.e.c.) (G)
  Real Estate (H)
Supervisor/Business (I)

9. Mechanics, Industrial Trades

Clothing, Fashion Trades (Females) (a)
Electrician (n.e.c.) (B)
Machinist (C)
Mechanic
  Airplane (D)
  Auto (E)
  Other (n.e.c.) (F)
Metal Worker (G)
Printing Tradesman (H)
Repairman
  Appliance (I)
  Industrial Machine (J)
  Office Machine (K)
  Telephone (including installers) (L)

10. Construction Trades

Bricklayer, Mason, Painter, Roofer, Plasterer, etc. (A)
Building Construction/Miscellaneous (B)
Carpenter (C)
Foreman (n.e.c.) (D)
Heavy Equipment Operator (E)
Mining, Quarrying, etc. (F)
Plumber, Pipefitter (G)

11. Secretarial-Clerical, Office Workers

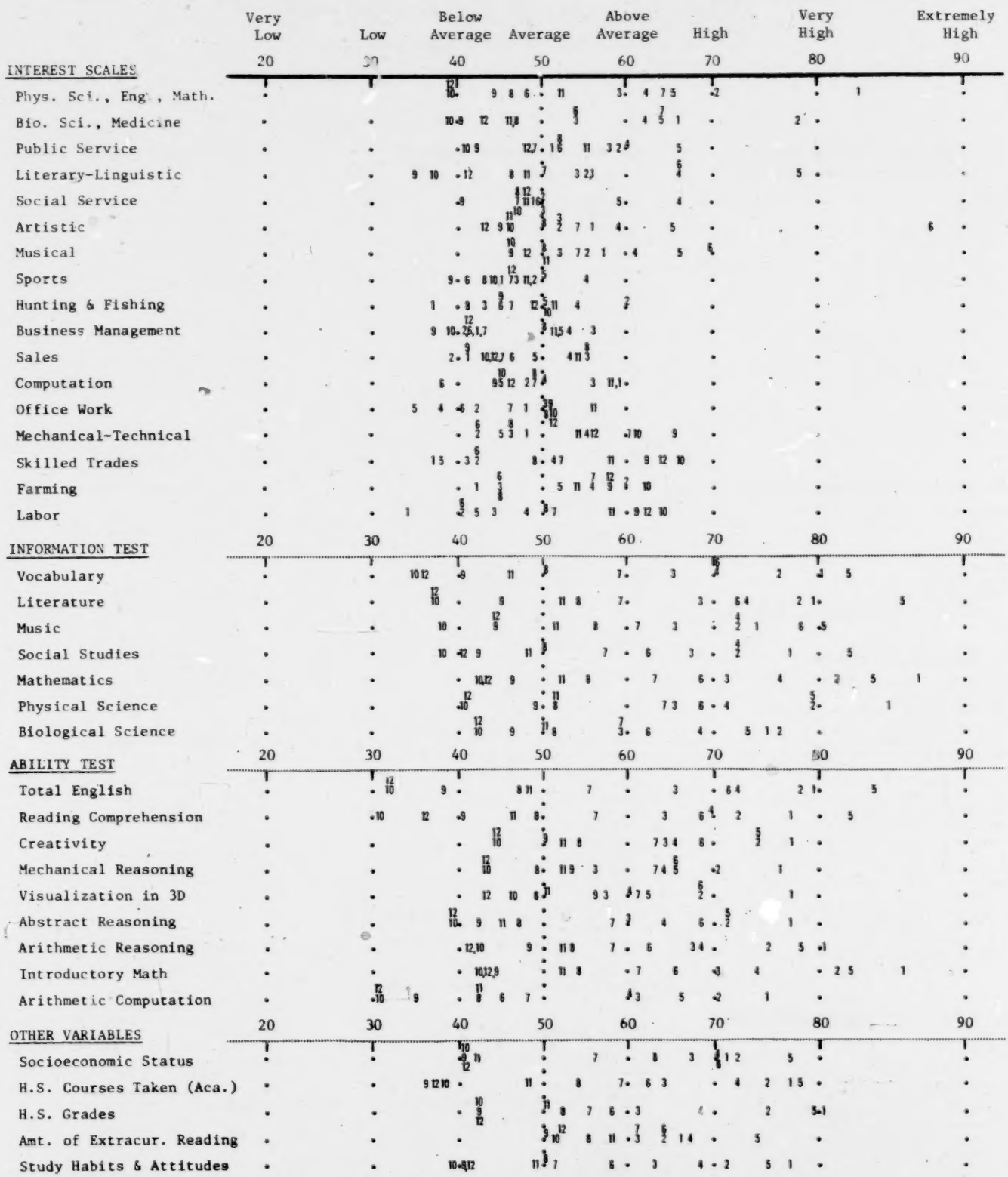
Account Recording Worker/Miscellaneous (Females) (a)
Bookkeeper (Females) (b)
Clerical Worker/Miscellaneous (C)
Clerk
  Bank (D)
  Miscellaneous (Females) (e)
Operator
  Keypunch (Females) (f)
  Radio, Telegraph, and Teletype (G)
  Telephone (PBX) (Females) (h)
Receptionist, Hotel Clerk, etc. (Females) (i)
Secretary (n.e.c.) (Females) (j)
  Legal (Females) (k)
  Medical (Females) (l)
Stenographer, etc. (Females) (m)
Typist (Females) (n)

12. General Labor, Community and Public Service

Butcher, Meat Cutter (A)
Driver - Auto, Bus, Truck (B)
Farming/Ranching - Other (n.e.c.) (C)
Fireman (D)
Hairdresser (Females) (e)
Laborer/General (F)
Military/Enlisted (G)
Nurse/Practical (Females) (h)
Policeman (I)

*n.e.c. means "not elsewhere classified"

MEAN PERCENTILE RANKINGS FOR STUDENTS IN TWELVE CAREER GROUPS*



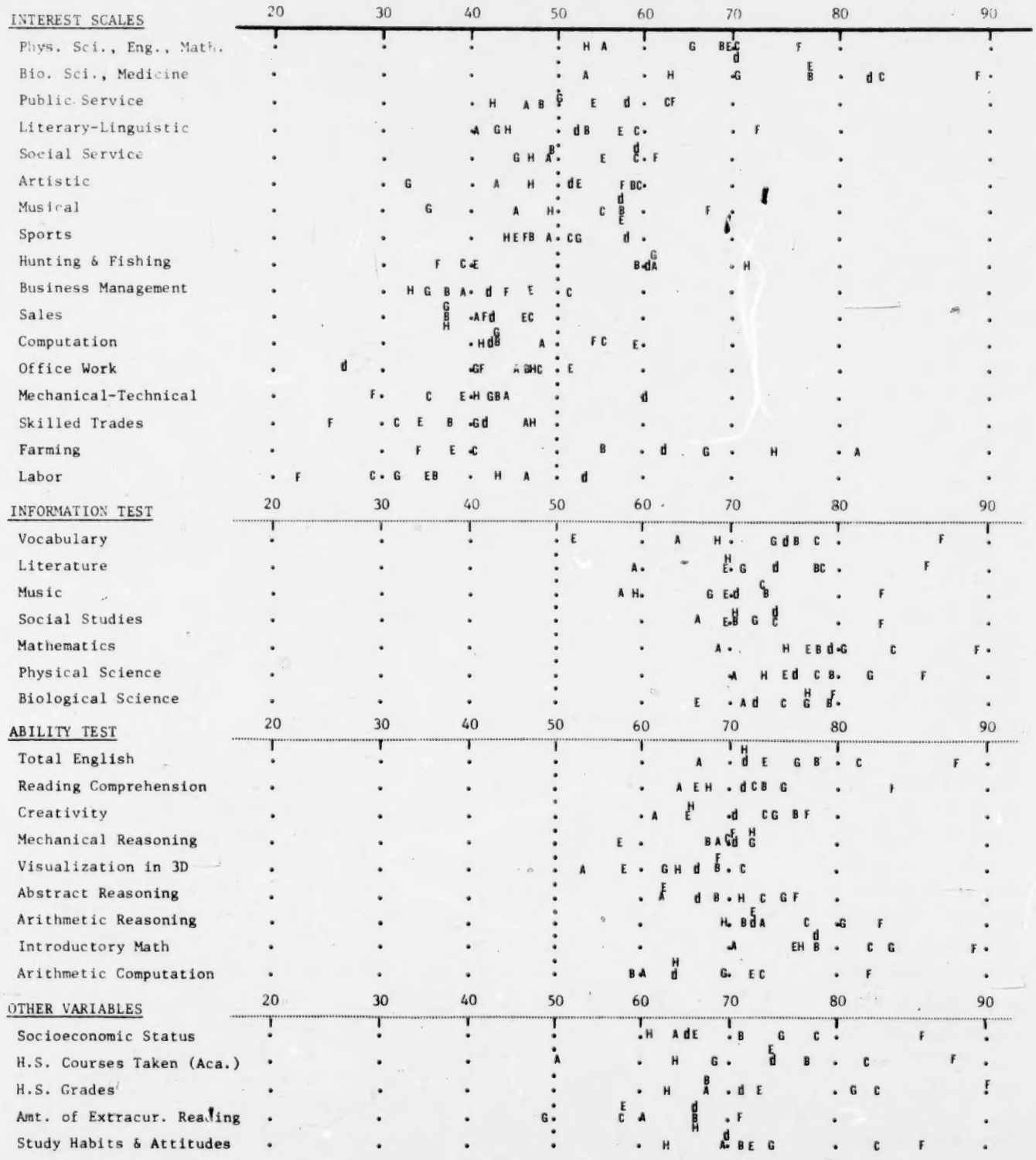
*The twelve Career Groups are represented on this chart by their numbers as given in Table 1 on page 3 of the Student's Booklet. For example, five years after their graduation from high school, students who were planning a career in Business Administration (Career Group 3) had a mean vocabulary score (on Information Test) close to a percentile ranking of 65 among students who were in grades 10, 11, and 12 in 1960. These results are based on replies from more than 108,000 students.

CAREER GROUP 1

Engineering, Physical Science, Mathematics, and Architecture

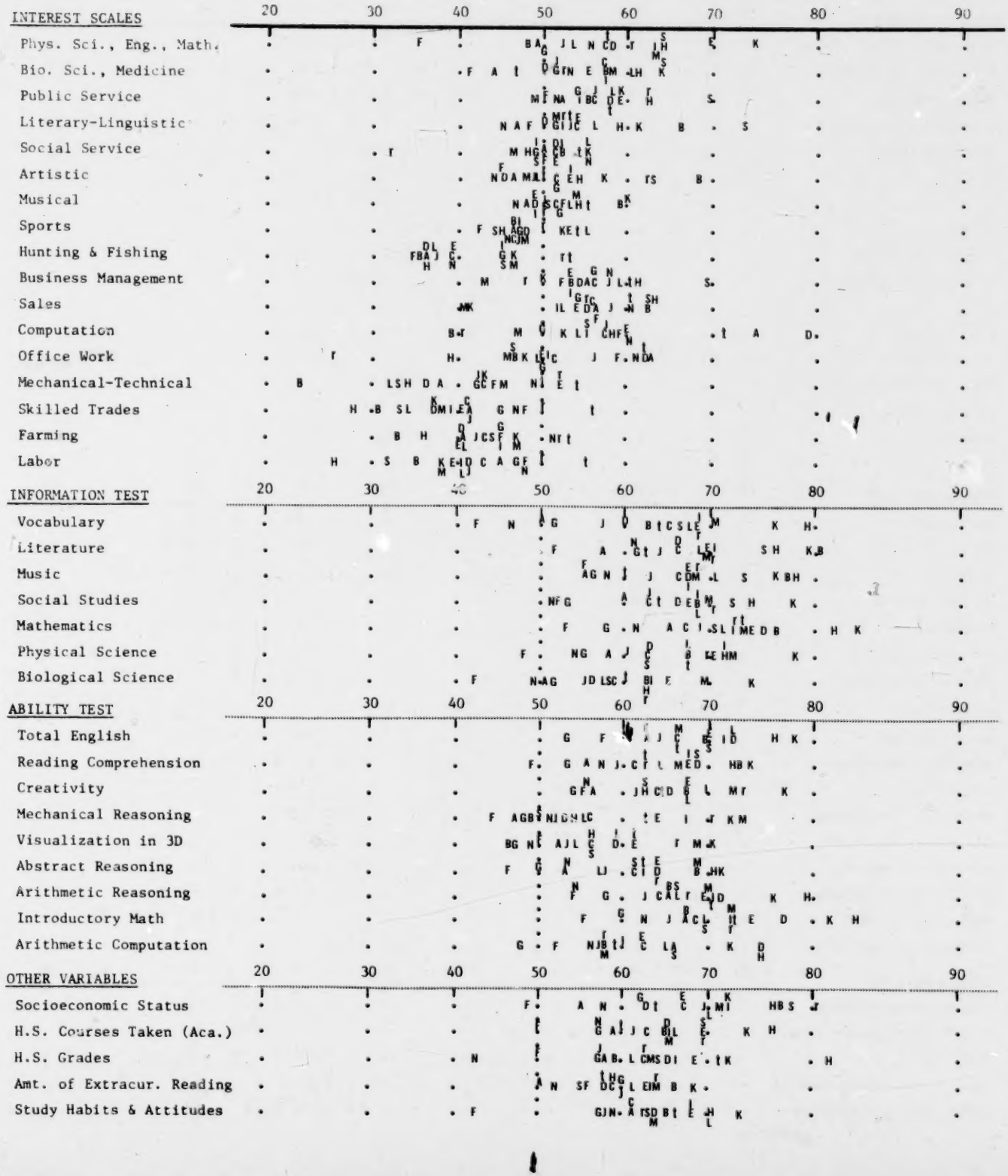
CAREER GROUP 2

Medical and Biological Sciences



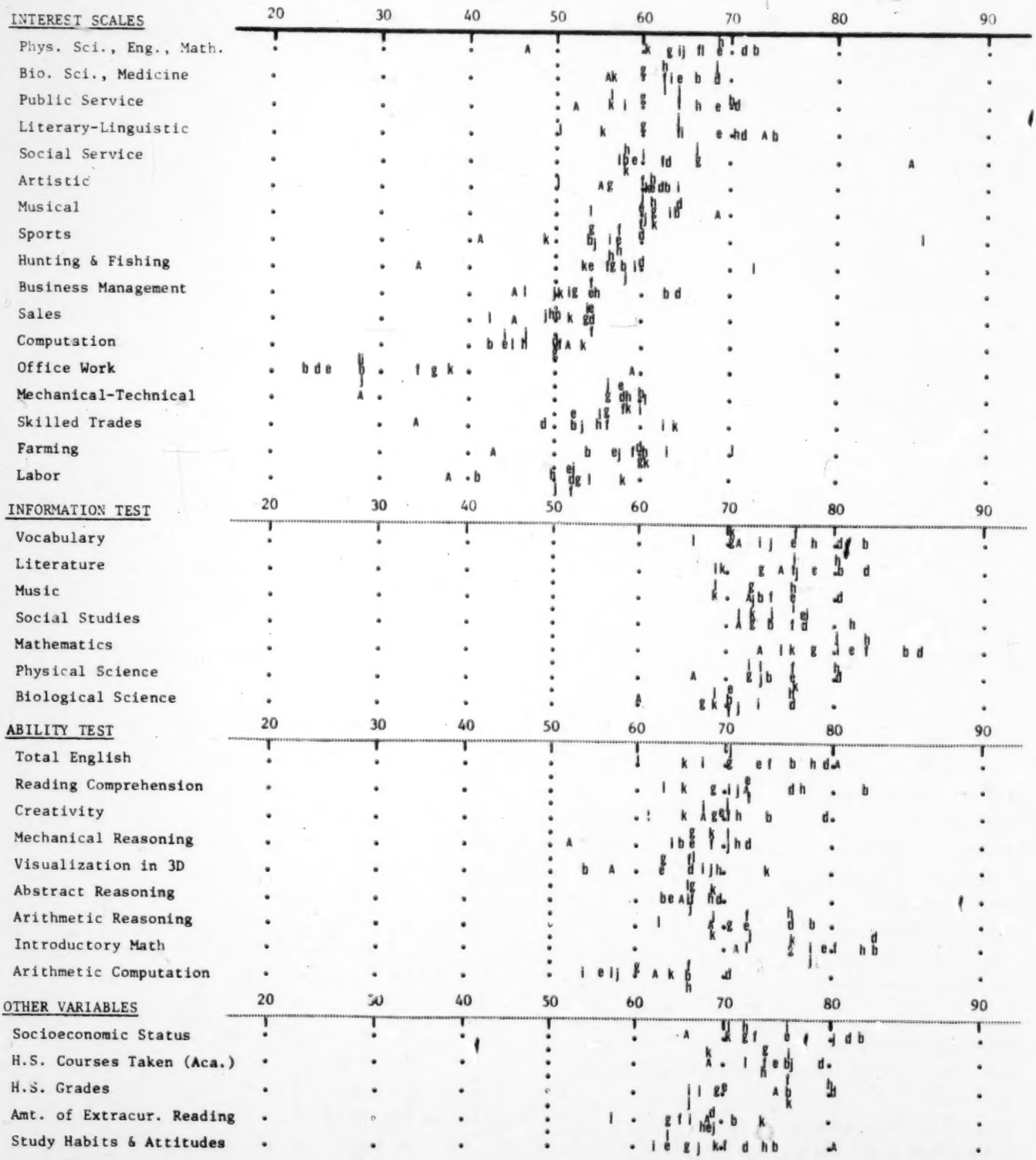
CAREER GROUP 3

Business Administration



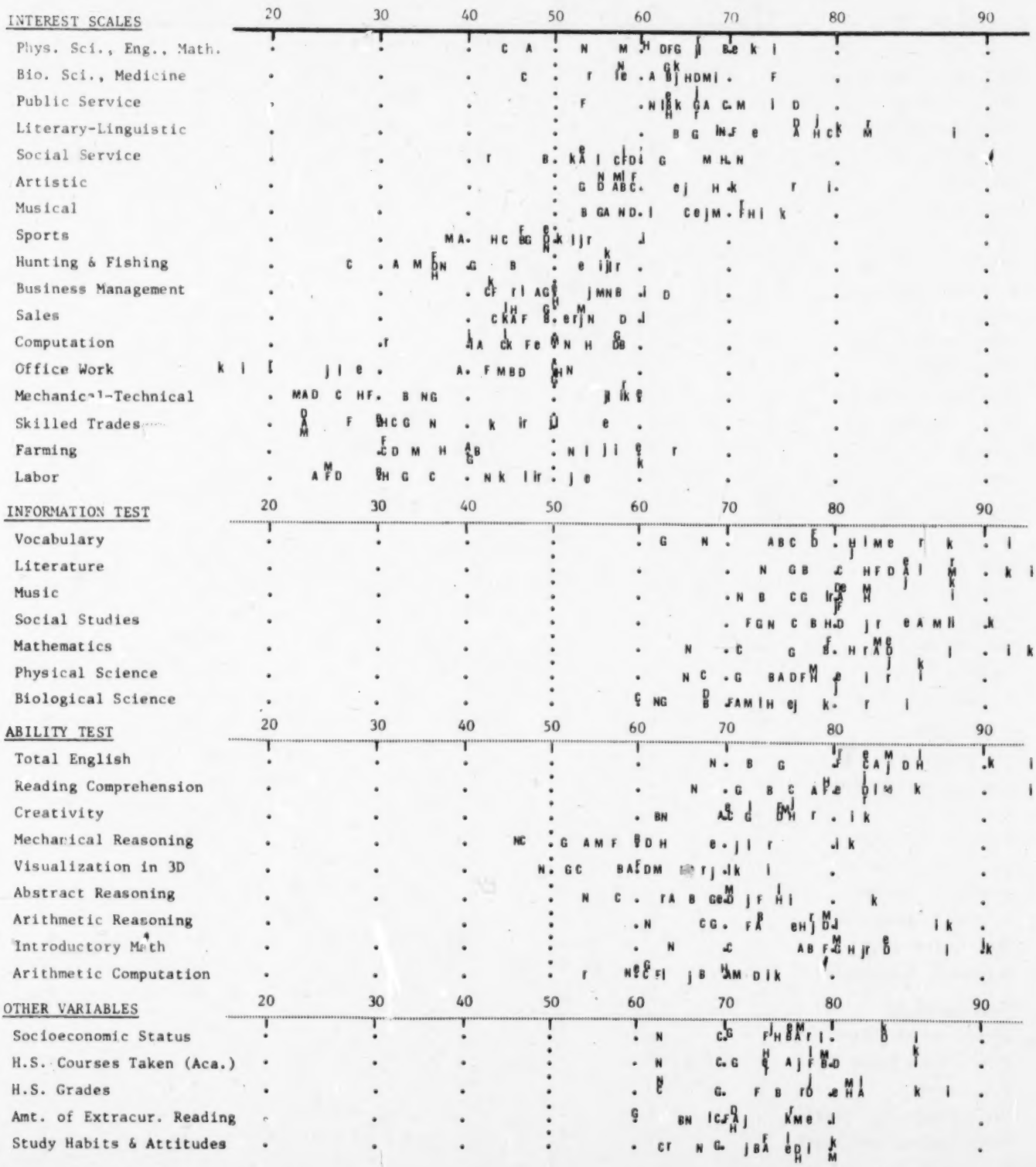
CAREER GROUP 4

General Teaching and Social Services



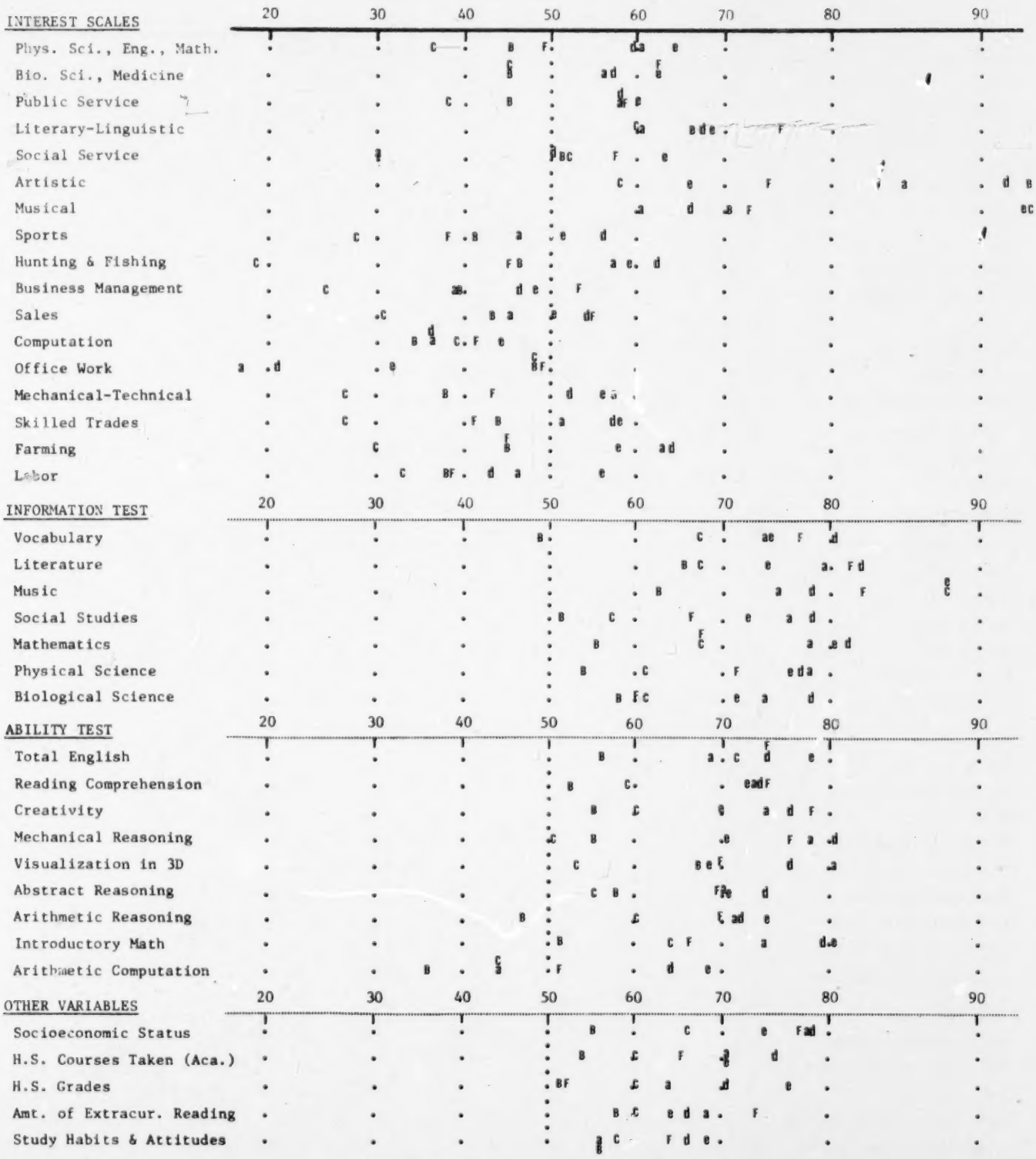
CAREER GROUP 5

Humanities, Law, Social and Behavioral Sciences



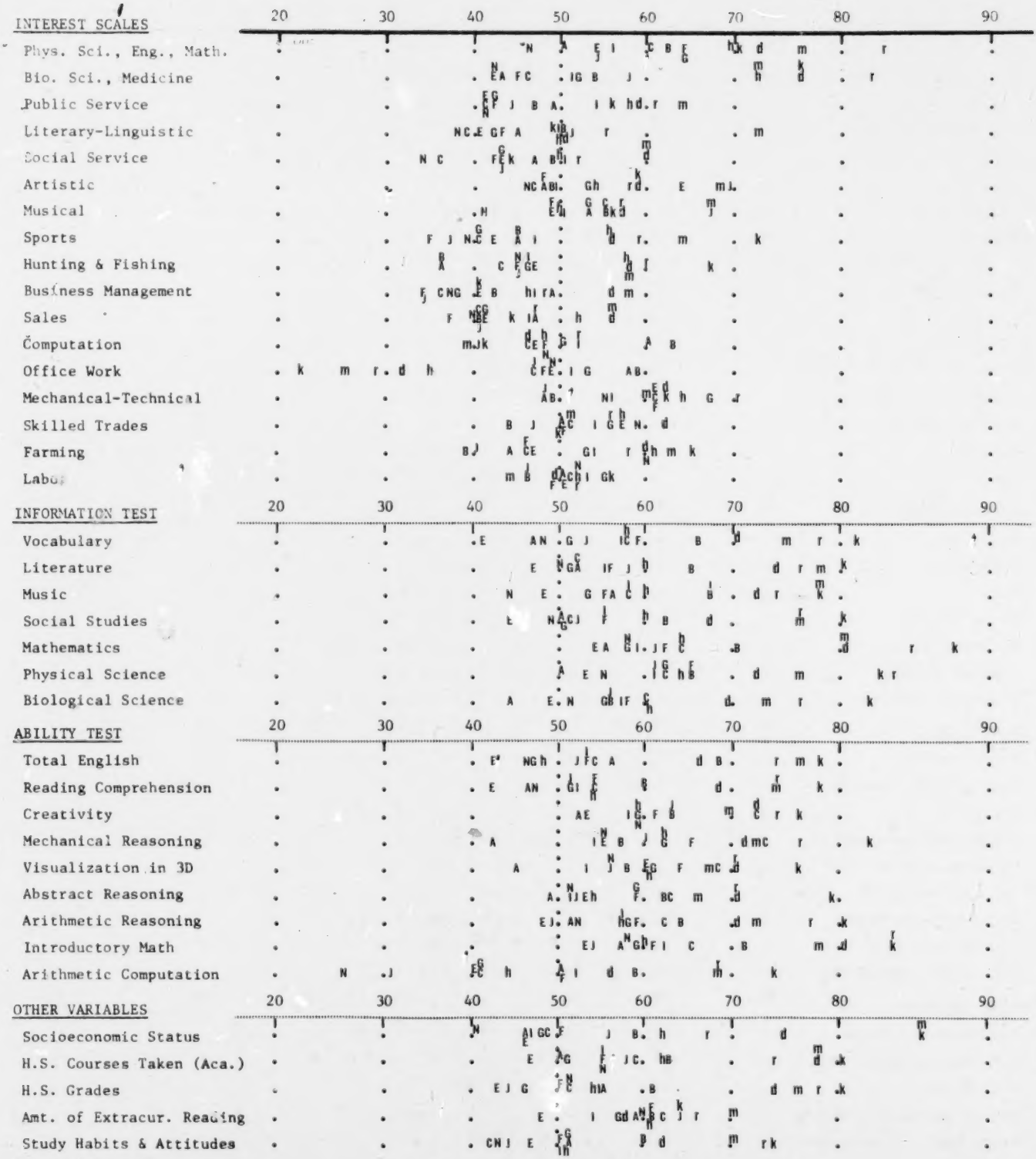
CAREER GROUP 6

Fine Arts, Performing Arts



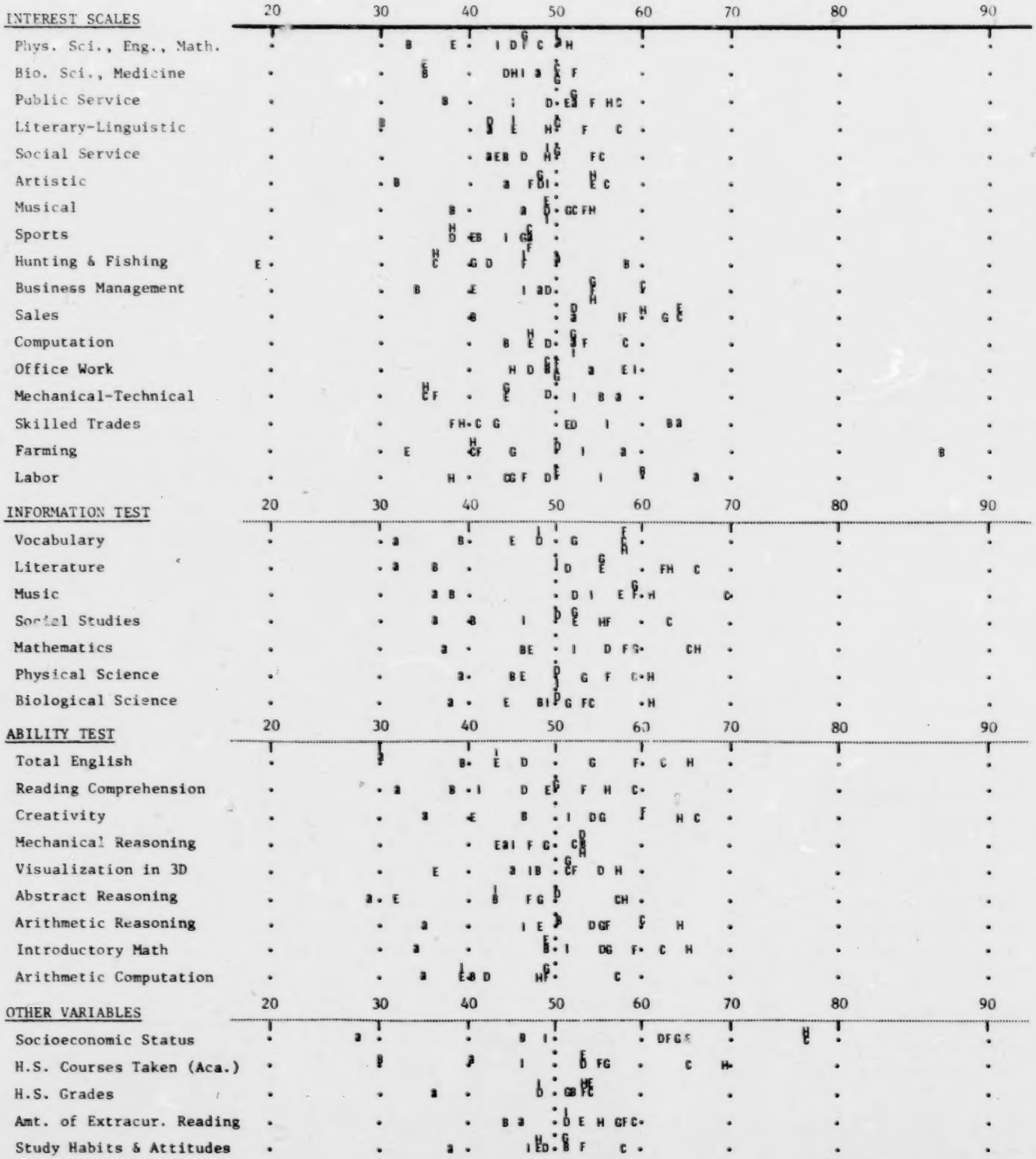
CAREER GROUP 7

Technical Positions



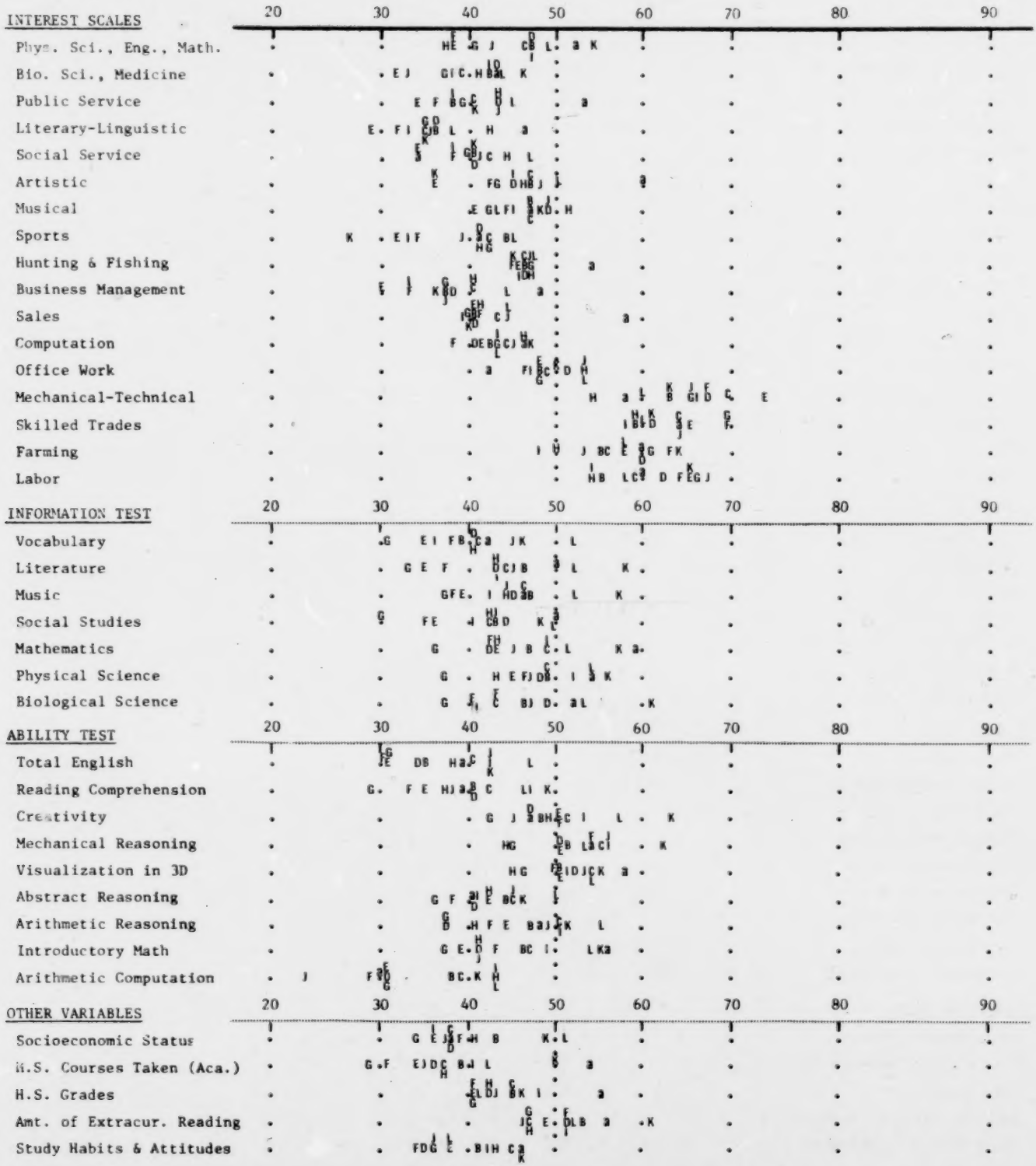
CAREER GROUP 8

Proprietor, Sales



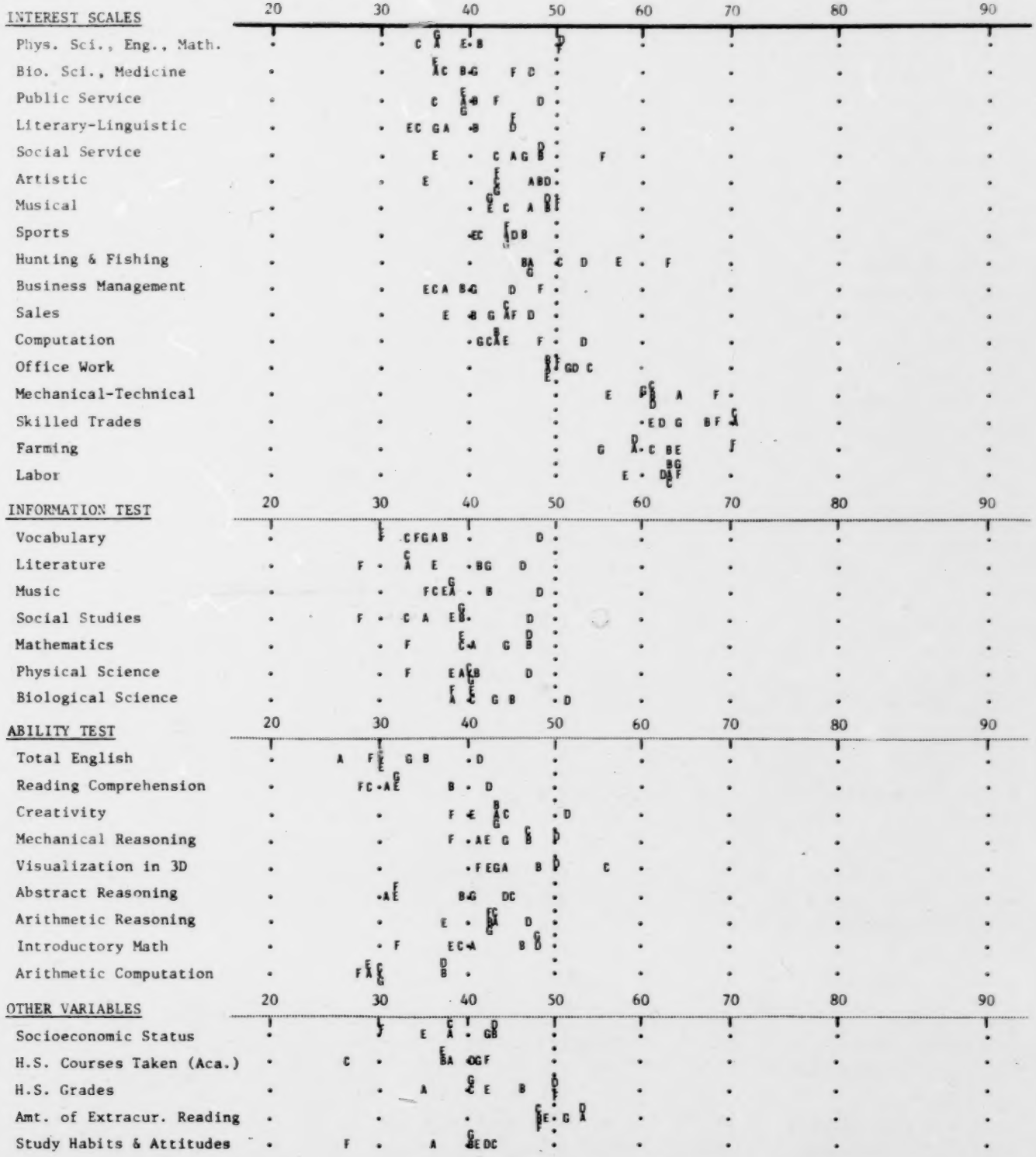
CAREER GROUP 9

Mechanics, Industrial Trades



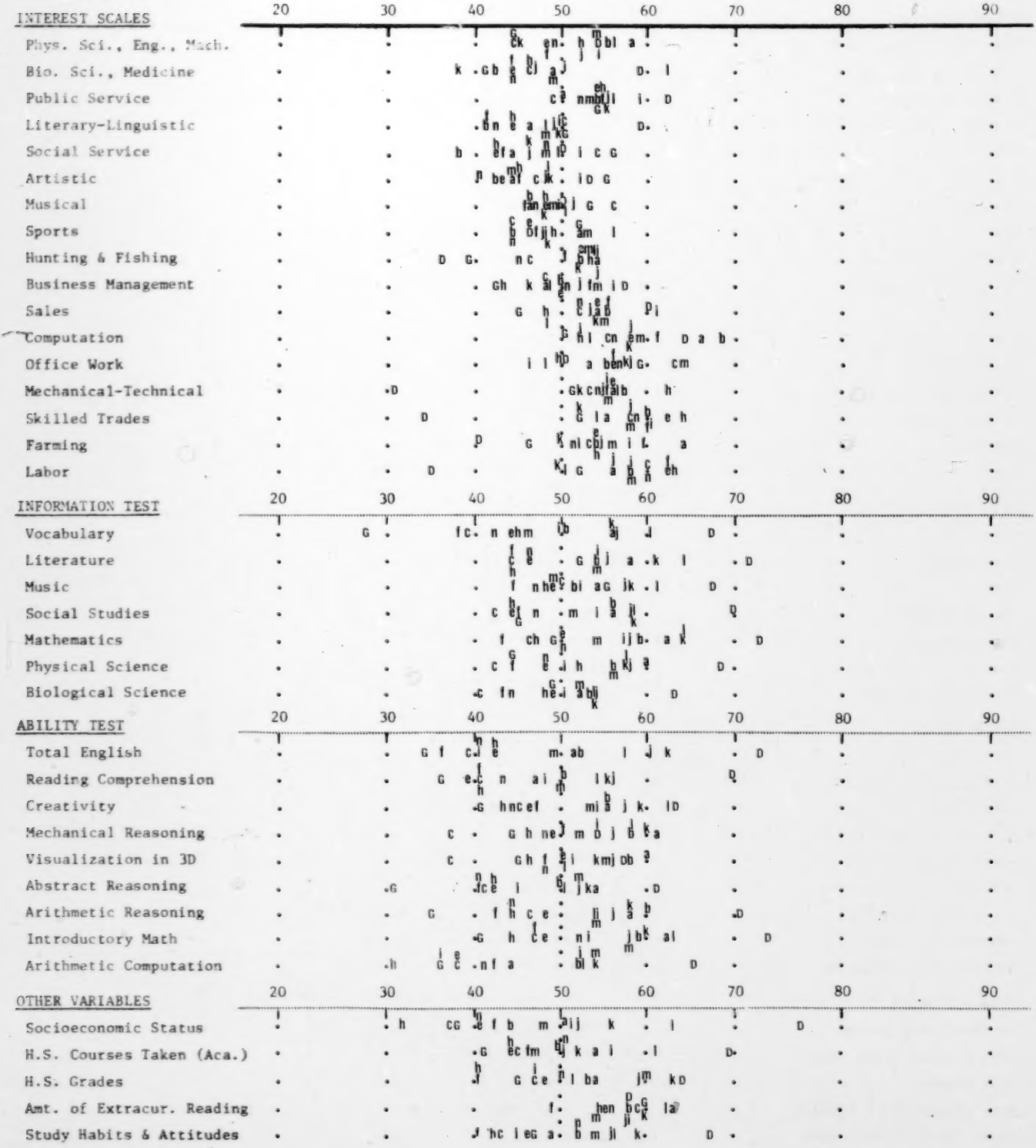
CAREER GROUP 10

Construction Trades



CAREER GROUP 11

Secretarial-Clerical, Office Worker



CAREER GROUP 12

General Labor, Community and Public Service